

NOTE GENERALI E INFORMAZIONI / GENERAL REQUIREMENTS AND INFORMATION

1. CONDIZIONI AMBIENTALI / ENVIROMENTAL CONDITIONS

Massima temperatura aria ambiente	/	Maximum ambient air temperature	:	40°C
Minima temperatura aria ambiente	/	Minimum ambient air temperature	:	20°C
Temperatura a bulbo umido	/	Design Wet bulb temperature	:	26°C
Altitudine	/	Altitude not exceeding	:	100 meter ASL
Massima umidità relativa	/	Maximum Relative Humidity	:	% at 35°C

2. TROPICALIZZAZIONE / TROPICALIZATION

Per tutti gli strumenti è richiesta la tropicalizzazione
Is required tropicalization for all instruments

3. NORME E SPECIFICHE DI RIFERIMENTO / REFERENCE RULES AND SPECIFICATIONS

- Gli strumenti descritti in questa specifica dovranno essere in accordo alle seguenti normative e/o raccomandazioni:
The instrumentation shall be carried out according to the following rules and/or recommendations:

_IEC / EN / CEI
 _ANSI
 _API

- I seguenti documenti sono parte integrante di questa specifica
The following documents are part of this specification :

1F08-81-001 Sh 1+6 Rev.0 - Material requisition for Instruments, control and on-off valves,
 pressure safety devices

4. TARGHETTE / NAMEPLATES

Tutti gli strumenti dovranno avere una targhetta in Acciaio Inossidabile con inciso l'ITEM dello strumento.
All instruments shall be furnished with Stainless Steel nameplate with instrument TAG

5. ATTUATORI / ACTUATORS

I Valvolisti dovranno fornire le valvole complete di Attuatori pneumatici di tipo a singolo o doppio effetto già preassemblati e pronti al servizio.
 L' attuatore sarà dimensionato per una pressione dell'aria strumenti di 4 Barg.
 Velocità di attuazione inferiore a 5 secondi per l'intera corsa.
Vendor shall provide valves complete with Actuators, type single or double effect preassembled and ready for service
The actuators shall be dimensioned for air pressure=4 Barg
The speed actuator shall be <5 second for all stroke

6. MATERIALI / MATERIALS

- Connessioni pneumatiche e raccorderia dovranno essere in Rame.
Pneumatic connection and fittings in Copper materials.

7. ALIMENTAZIONE ARIA STRUMENTI / INSTRUMENTS AIR SUPPLY

L'aria strumenti è disoleata ed essicata- *Instrumets air is dried and oil free*

Pressione Minima	-	Minimun pressure	:	4 barg
Pressione Normale	-	Normal pressure	:	7 barg
Pressione Massima	-	Maximum pressure	:	8 barg
Temperatura	-	Temperature	:	Ambient
Punto di rugiada	-	Dew point	:	-20 °C

8. ACCESSORI / ACCESSORIES

- Sul corpo delle valvole dovrà essere incisa la freccia con l'idicazione della direzione del flusso.
Valve body shall have an integral arrow indication direction of flow.
 - Sulla Valvola dovrà essere indicata la posizione di "Aperta" e "Chiusa"
On the Valve shall be indicated the position "Open" and "Close"

9. - Tutti gli strumenti devono avere la protezione uguale o maggiore a IP56 (equivalente NEMA 4X)
All the instruments must have the equal or greater protection to IP56 (equivalent NEMA 4X)

10. LIVELLO SONORO / SOUND PRESSURE LEVEL

Il dimensionamento delle Valvole dovrà assicurare che il livello sonoro dovrà essere inferiore a 85 dBA a 1 metro di distanza
Valves sizing shall ensure that the sound pressure level will be less than 85 dBA at 1 meter.

11. ELETTRONICHE / ELECTRONIC UNIT

Tutti gli strumenti dovranno essere di tipo SMART con protocollo HART
All instruments shall be SMART type with HART protocol

1					
2	VALVE TAG - Sigla Valvola	:	KV 12.2		
3	Valve installation line - <i>Linea installazione valvola</i>	:	1/2"-AS-12103-215		
4	Line material - <i>Materiale della linea</i>	:	AISI 304		
5	Service - <i>Servizio</i>	:	Instrumental Air to 12E5/6 Outlet		
6	P&ID Drawing - <i>Numero P&I</i>	:	1F08-10-003		
7					
8	BALLESTRA VALVE TYPE - STD Ballestra	:			
9	Valve with tight shut-off complete with single acting pneumatic actuator and spring return to assure the emergency position in case of air failure.				
10					
11	BORE - Passaggio	:	☒ Full	☐ Reduced	
12	When air is failing (emergency) the valve is	:	☐ Open	☒ Closed	
13					
14	OPERATING CONDITIONS - Condizioni operative				
15	Process fluid - <i>Fluido di processo</i>	:	OLEUM		
16	Fluid type - <i>Tipo fluido</i>	:	Liquid		
17	Operating pressure - <i>Pressione operativa</i>	:	Nor = 7 barg	Max = 10 barg	
18	Operating temperature - <i>Temperatura operativa</i>	:	80 °C		
19					
20	VALVE MATERIALS - Materiali valvola				
21	Body - <i>Corpo</i>	:	A351 GR CF8M		
22	Ball - <i>Sfera</i>	:	A182 GR F316		
23	Stem - <i>Stelo</i>	:	AISI 316		
24	Seat - <i>Sede</i>	:	PTFE		
25	Stem seal - <i>Tenuta stelo</i>	:	PTFE Encapsulated Viton O-ring		
26					
27	GENERAL - Note generali				
28	Seat leakage - <i>Classe di tenuta</i>	:	Class VI	- ANSI B16.104	
29	Fire Safe / Antistatic Device -	:	ISO 10497 / ISO 15848 / BS6775 / BS5146		
30	Nominal diameter - <i>Diametro nominale</i>	:	1/2"		
31	Connections type and rating - <i>Tipo connessione</i>	:	ANSI 150 ANSI 150 # FLANGED TYPE		
32	Certification - <i>Certificazione</i>	:			
33					
34	ACCESSORIES - Accessori				
35	-Limit switches and indicator box - Fine corsa e Box indicatore				
36	N° 2 Limit switches to signal the positions open-closed of valve				
37	Limit switches tag	:	ZSH-12.2 - ZSL-12.2		
38	Box tag	:	BZS-12.2		
39	For technical characteristics see sheet 17				
40	-Pneumatic operator - Attuatore pneumatico				
41	Pneumatic operator pressure control	:	min. 4 - max 8 Barg		
42	Pneumatic operator min. pressure control	:	4 Barg		
43	Manufacturer	:	VIRGO / MODEL : 2V-65SR		
44	-Solenoid valve - Elettrovalvola				
45	Solenoid valve tag	:	KY 12.2		
46	For technical characteristics see sheet 16				
47	-Reducing filter with gauge	:	☒ Yes / Si	☐ No	
48	-Hanwheel - Volantino	:	☐ Yes / Si	☒ No	
49					
Notes			PURCHASING DATA		
1)_ Pneumatic connections: SS tubing and SS Comperssion Fittings			Manufacturer	:	VIRGO
2)_ Emergency operator for solenoid valve required			Model	:	S2-RF1-F-66-T-F-A + 2V-65SR
3)_ Field must be completed by the supplier			Supplier	:	VIRGO
			Order n°	:	

1	<u>VALVE TAG - Sigla Valvola</u>	:	KV 12.3
2	Valve installation line - <i>Linea installazione valvola</i>	:	2"-HS-12018-215
3	Line material - <i>Materiale della linea</i>	:	AISI 304
4	Service - <i>Servizio</i>	:	OLEUM FROM 12E6
5	P&ID Drawing - <i>Numero P&I</i>	:	1F08-10-003
6			
7			
8	<u>BALLESTRA VALVE TYPE - STD Ballestra</u>	:	
9	Valve with tight shut-off complete with single acting pneumatic actuator and spring return to assure the emergency position in case of air failure.		
10			
11	BORE - Passaggio	:	☒ Full ☐ Reduced
12	When air is failing (emergency) the valve is	:	☐ Open ☒ Closed
13			
14	<u>OPERATING CONDITIONS - Condizioni operative</u>		
15	Process fluid - <i>Fluido di processo</i>	:	OLEUM
16	Fluid type - <i>Tipo fluido</i>	:	LIQUID
17	Operating pressure - <i>Pressione operativa</i>	:	Nor = 0,4 barg Max = 10 barg
18	Operating temperature - <i>Temperatura operativa</i>	:	80 °C
19			
20	<u>VALVE MATERIALS - Materiali valvola</u>		
21	Body - <i>Corpo</i>	:	A351 GR CF8M
22	Ball - <i>Sfera</i>	:	A182 GR F316
23	Stem - <i>Stelo</i>	:	AISI 316
24	Seat - <i>Sede</i>	:	PTFE
25	Stem seal - <i>Tenuta stelo</i>	:	PTFE Encapsulated Viton O-ring
26			
27	<u>GENERAL - Note generali</u>		
28	Seat leakage - <i>Classe di tenuta</i>	:	Class VI - ANSI B16.104
29	Fire Safe / Antistatic Device -	:	ISO 10497 / ISO 15848 / BS6775 / BS5146
30	Nominal diameter - <i>Diametro nominale</i>	:	2"
31	Connections type and rating - <i>Tipo connessione</i>	:	ANSI 150 ANSI 150 # FLANGED TYPE
32	Certification - <i>Certificazione</i>	:	
33			
34	<u>ACCESSORIES - Accessori</u>		
35	-Limit switches and indicator box - Fine corsa e Box indicatore		
36	N° 2 Limit switches to signal the positions open-closed of valve		
37	Limit switches tag	:	ZSH-12.3 - ZSL-12.3
38	Box tag	:	BZS-12.3
39	For technical characteristics see sheet 17		
40	-Pneumatic operator - Attuatore pneumatico		
41	Pneumatic operator pressure control	:	min. 4 - max 8 Barg
42	Pneumatic operator min. pressure control	:	4 Barg
43	Manufacturer	:	VIRGO / MODEL : 2V-115SR
44	-Solenoid valve - Elettrovalvola		
45	Solenoid valve tag	:	KY 12.3
46	For technical characteristics see sheet 16		
47	-Reducing filter with gauge	:	☒ Yes / Si ☐ No
48	-Hanwheel - <i>Volantino</i>	:	☐ Yes / Si ☒ No
49			

Notes	PURCHASING DATA
1)_ Pneumatic connections: SS tubing and SS Comperssion Fittings	Manufacturer : VIRGO
2)_ Emergency operator for solenoid valve required	Model : S2-RF1-F-66-T-F-A + 2V-115SR
3)_ Field must be completed by the supplier	Supplier : VIRGO
	Order n° :

1			
2	VALVE TAG - Sigla Valvola	:	KV 12.4
3	Valve installation line - <i>Linea installazione valvola</i>	:	2"-HS-12017-215
4	Line material - <i>Materiale della linea</i>	:	AISI 304
5	Service - <i>Servizio</i>	:	OLEUM FROM 12E5
6	P&ID Drawing - <i>Numero P&I</i>	:	1F08-10-003
7			
8	BALLESTRA VALVE TYPE - STD Ballestra	:	
9	Valve with tight shut-off complete with single acting pneumatic actuator and spring return to		
10	assure the emergency position in case of air failure.		
11	BORE - Passaggio	:	☒ Full ☐ Reduced
12	When air is failing (emergency) the valve is	:	☐ Open ☒ Closed
13			
14	OPERATING CONDITIONS - Condizioni operative		
15	Process fluid - <i>Fluido di processo</i>	:	OLEUM
16	Fluid type - <i>Tipo fluido</i>	:	LIQUID
17	Operating pressure - <i>Pressione operativa</i>	:	Nor = 0,4 barg Max = 10 barg
18	Operating temperature - <i>Temperatura operativa</i>	:	80 °C
19			
20	VALVE MATERIALS - Materiali valvola		
21	Body - <i>Corpo</i>	:	A351 GR CF8M
22	Ball - <i>Sfera</i>	:	A182 GR F316
23	Stem - <i>Stelo</i>	:	AISI 316
24	Seat - <i>Sede</i>	:	PTFE
25	Stem seal - <i>Tenuta stelo</i>	:	PTFE Encapsulated Viton O-ring
26			
27	GENERAL - Note generali		
28	Seat leakage - <i>Classe di tenuta</i>	:	Class VI - ANSI B16.104
29	Fire Safe / Antistatic Device -	:	ISO 10497 / ISO 15848 / BS6775 / BS5146
30	Nominal diameter - <i>Diametro nominale</i>	:	2"
31	Connections type and rating - <i>Tipo connessione</i>	:	ANSI 150 ANSI 150 # FLANGED TYPE
32	Certification - <i>Certificazione</i>	:	
33			
34	ACCESSORIES - Accessori		
35	-Limit switches and indicator box - Fine corsa e Box indicatore		
36	N° 2 Limit switches to signal the positions open-closed of valve		
37	Limit switches tag	:	ZSH-12.4 - ZSL-12.4
38	Box tag	:	BZS-12.4
39	For technical characteristics see sheet 17		
40	-Pneumatic operator - Attuatore pneumatico		
41	Pneumatic operator pressure control	:	min. 4 - max 8 Barg
42	Pneumatic operator min. pressure control	:	4 Barg
43	Manufacturer	:	VIRGO / MODEL : 2V-115SR
44	-Solenoid valve - Elettrovalvola		
45	Solenoid valve tag	:	KY 12.4
46	For technical characteristics see sheet 16		
47	-Reducing filter with gauge	:	☒ Yes / Si ☐ No
48	-Hanwheel - Volantino	:	☐ Yes / Si ☒ No
49			

Notes		PURCHASING DATA	
1)_ Pneumatic connections: SS tubing and SS Comperssion Fittings		Manufacturer	: VIRGO
2)_ Emergency operator for solenoid valve required		Model	: S2-RF1-F-66-T-F-A + 2V-115SR
3)_ Field must be completed by the supplier		Supplier	: VIRGO
		Order n°	:

1		
2	VALVE TAG - Sigla Valvola	: KV 12.5
3	Valve installation line - <i>Linea installazione valvola</i>	: 1"-HS-12019-215
4	Line material - <i>Materiale della linea</i>	: AISI 304
5	Service - <i>Servizio</i>	: OLEUM TO 14C1
6	P&ID Drawing - <i>Numero P&I</i>	: 1F08-10-003
7		
8	BALLESTRA VALVE TYPE - STD Ballestra	:
9	Valve with tight shut-off complete with single acting pneumatic actuator and spring return to assure the emergency position in case of air failure.	
10		
11	BORE - Passaggio	: ☒ Full ☐ Reduced
12	When air is failing (emergency) the valve is	: ☐ Open ☒ Closed
13		
14	OPERATING CONDITIONS - Condizioni operative	
15	Process fluid - <i>Fluido di processo</i>	: OLEUM
16	Fluid type - <i>Tipo fluido</i>	: LIQUID
17	Operating pressure - <i>Pressione operativa</i>	: Nor = 2 barg Max = 10 barg
18	Operating temperature - <i>Temperatura operativa</i>	: 80 °C
19		
20	VALVE MATERIALS - Materiali valvola	
21	Body - <i>Corpo</i>	: A351 GR CF8M
22	Ball - <i>Sfera</i>	: A182 GR F316
23	Stem - <i>Stelo</i>	: AISI 316
24	Stem - <i>Stelo</i>	: AISI 316
25	Stem seal - <i>Tenuta stelo</i>	: PTFE Encapsulated Viton O-ring
26		
27	GENERAL - Note generali	
28	Seat leakage - <i>Classe di tenuta</i>	: Class VI - ANSI B16.104
29	Fire Safe / Antistatic Device -	: ISO 10497 / ISO 15848 / BS6775 / BS5146
30	Nominal diameter - <i>Diametro nominale</i>	: 1"
31	Connections type and rating - <i>Tipo connessione</i>	: ANSI 150 ANSI 150 # FLANGED TYPE
32	Certification - <i>Certificazione</i>	:
33		
34	ACCESSORIES - Accessori	
35	-Limit switches and indicator box - Fine corsa e Box indicatore	
36	N° 2 Limit switches to signal the positions open-closed of valve	
37	Limit switches tag	: ZSH-12.5 - ZSL-12.5
38	Box tag	: BZS-12.5
39	For technical characteristics see sheet 17	
40	-Pneumatic operator - Attuatore pneumatico	
41	Pneumatic operator pressure control	: min. 4 - max 8 Barg
42	Pneumatic operator min. pressure control	: 4 Barg
43	Manufacturer	: VIRGO / MODEL : 2V-75SR
44	-Solenoid valve - Elettrovalvola	
45	Solenoid valve tag	: KY 12.5
46	For technical characteristics see sheet 16	
47	-Reducing filter with gauge	: ☒ Yes / Si ☐ No
48	-Hanwheel - Volantino	: ☐ Yes / Si ☒ No
49		
Notes		PURCHASING DATA
1)_ Pneumatic connections: SS tubing and SS Comperssion Fittings		Manufacturer : VIRGO
2)_ Emergency operator for solenoid valve required		Model : S2-RF1-F-66-T-F-A + 2V-75SR
3)_ Field must be completed by the supplier		Supplier : VIRGO
		Order n° :

1	<u>VALVE TAG - Sigla Valvola</u>	:	KV 12.6
2	Valve installation line - <i>Linea installazione valvola</i>	:	2"-HS-16003-215
3	Line material - <i>Materiale della linea</i>	:	AISI 304
4	Service - <i>Servizio</i>	:	OLEUM FROM 16F3
5	P&ID Drawing - <i>Numero P&I</i>	:	1F08-10-003
6			
7	<u>BALLESTRA VALVE TYPE - STD Ballestra</u>	:	
8	Valve with tight shut-off complete with single acting pneumatic actuator and spring return to assure the emergency position in case of air failure.		
9	BORE - Passaggio	:	☒ Full ☐ Reduced
10	When air is failing (emergency) the valve is	:	☐ Open ☒ Closed
11			
12	<u>OPERATING CONDITIONS - Condizioni operative</u>		
13	Process fluid - <i>Fluido di processo</i>	:	OLEUM
14	Fluid type - <i>Tipo fluido</i>	:	LIQUID
15	Operating pressure - <i>Pressione operativa</i>	:	Nor = 0,04 barg Max = 10 barg
16	Operating temperature - <i>Temperatura operativa</i>	:	80 °C
17			
18	<u>VALVE MATERIALS - Materiali valvola</u>		
19	Body - <i>Corpo</i>	:	A351 GR CF8M
20	Ball - <i>Sfera</i>	:	A182 GR F316
21	Stem - <i>Stelo</i>	:	AISI 316
22	Seat - <i>Sede</i>	:	PTFE
23	Stem seal - <i>Tenuta stelo</i>	:	PTFE Encapsulated Viton O-ring
24			
25	<u>GENERAL - Note generali</u>		
26	Seat leakage - <i>Classe di tenuta</i>	:	Class VI - ANSI B16.104
27	Fire Safe / Antistatic Device -	:	ISO 10497 / ISO 15848 / BS6775 / BS5146
28	Nominal diameter - <i>Diametro nominale</i>	:	2"
29	Connections type and rating - <i>Tipo connessione</i>	:	ANSI 150 ANSI 150 # FLANGED TYPE
30	Certification - <i>Certificazione</i>	:	
31			
32	<u>ACCESSORIES - Accessori</u>		
33	-Limit switches and indicator box - Fine corsa e Box indicatore		
34	N° 2 Limit switches to signal the positions open-closed of valve		
35	Limit switches tag	:	ZSH-12.6 - ZSL-12.6
36	Box tag	:	BZS-12.6
37	For technical characteristics see sheet 17		
38	-Pneumatic operator - Attuatore pneumatico		
39	Pneumatic operator pressure control	:	min. 4 - max 8 Barg
40	Pneumatic operator min. pressure control	:	4 Barg
41	Manufacturer	:	VIRGO / MODEL : 2V-115SR
42	-Solenoid valve - Elettrovalvola		
43	Solenoid valve tag	:	KY 12.6
44	For technical characteristics see sheet 16		
45	-Reducing filter with gauge	:	☒ Yes / Si ☐ No
46	-Hanwheel - <i>Volantino</i>	:	☐ Yes / Si ☒ No
47			
48			
49			

Notes	PURCHASING DATA
1)_ Pneumatic connections: SS tubing and SS Comperssion Fittings	Manufacturer : VIRGO
2)_ Emergency operator for solenoid valve required	Model : S2-RF1-F-66-T-F-A + 2V-115SR
3)_ Field must be completed by the supplier	Supplier : VIRGO
	Order n° :

1	<u>VALVE TAG - Sigla Valvola</u>	:	KV 12.7
2	Valve installation line - <i>Linea installazione valvola</i>	:	2"-HS-26004-215
3	Line material - <i>Materiale della linea</i>	:	AISI 304
4	Service - <i>Servizio</i>	:	OLEUM FROM 26F3
5	P&ID Drawing - <i>Numero P&I</i>	:	1F08-10-003
6			
7			
8	<u>BALLESTRA VALVE TYPE - STD Ballestra</u>	:	
9	Valve with tight shut-off complete with single acting pneumatic actuator and spring return to assure the emergency position in case of air failure.		
10			
11	BORE - Passaggio	:	☒ Full ☐ Reduced
12	When air is failing (emergency) the valve is	:	☐ Open ☒ Closed
13			
14	<u>OPERATING CONDITIONS - Condizioni operative</u>		
15	Process fluid - <i>Fluido di processo</i>	:	OLEUM
16	Fluid type - <i>Tipo fluido</i>	:	LIQUID
17	Operating pressure - <i>Pressione operativa</i>	:	Nor = 0,04 barg Max = 10 barg
18	Operating temperature - <i>Temperatura operativa</i>	:	80 °C
19			
20	<u>VALVE MATERIALS - Materiali valvola</u>		
21	Body - <i>Corpo</i>	:	A351 GR CF8M
22	Ball - <i>Sfera</i>	:	A182 GR F316
23	Stem - <i>Stelo</i>	:	AISI 316
24	Seat - <i>Sede</i>	:	PTFE
25	Stem seal - <i>Tenuta stelo</i>	:	PTFE Encapsulated Viton O-ring
26			
27	<u>GENERAL - Note generali</u>		
28	Seat leakage - <i>Classe di tenuta</i>	:	Class VI - ANSI B16.104
29	Fire Safe / Antistatic Device -	:	ISO 10497 / ISO 15848 / BS6775 / BS5146
30	Nominal diameter - <i>Diametro nominale</i>	:	2"
31	Connections type and rating - <i>Tipo connessione</i>	:	ANSI 150 ANSI 150 # FLANGED TYPE
32	Certification - <i>Certificazione</i>	:	
33			
34	<u>ACCESSORIES - Accessori</u>		
35	-Limit switches and indicator box - <i>Fine corsa e Box indicatore</i>		
36	N° 2 Limit switches to signal the positions open-closed of valve		
37	Limit switches tag	:	ZSH-12.7 - ZSL-12.7
38	Box tag	:	BZS-12.7
39	For technical characteristics see sheet 17		
40	-Pneumatic operator - <i>Attuatore pneumatico</i>		
41	Pneumatic operator pressure control	:	min. 4 - max 8 Barg
42	Pneumatic operator min. pressure control	:	4 Barg
43	Manufacturer	:	VIRGO / MODEL : 2V-115SR
44	-Solenoid valve - <i>Elettrovalvola</i>		
45	Solenoid valve tag	:	KY 12.7
46	For technical characteristics see sheet 16		
47	-Reducing filter with gauge	:	☒ Yes / Si ☐ No
48	-Hanwheel - <i>Volantino</i>	:	☐ Yes / Si ☒ No
49			
Notes		PURCHASING DATA	
1)_ Pneumatic connections: SS tubing and SS Comperssion Fittings		Manufacturer	: VIRGO
2)_ Emergency operator for solenoid valve required		Model	: S2-RF1-F-66-T-F-A + 2V-115SR
3)_ Field must be completed by the supplier		Supplier	: VIRGO
		Order n°	:

1					
2	<u>VALVE TAG - Sigla Valvola</u>	:	KV 11.3		
3	Valve installation line - <i>Linea installazione valvola</i>	:	1/2"-AH-AR-11022-209		
4	Line material - <i>Materiale della linea</i>	:	Carbon Steel		
5	Service - <i>Servizio</i>	:	PROCESS AIR EQUALISATION 11C1A/B		
6	P&ID Drawing - <i>Numero P&I</i>	:	1F08-10-002		
7					
8	<u>BALLESTRA VALVE TYPE - STD Ballestra</u>	:			
9	Valve with tight shut-off complete with single acting pneumatic actuator and spring return to assure the emergency position in case of air failure.				
10					
11	BORE - Passaggio	:	☒	Full	☐ Reduced
12	When air is failing (emergency) the valve is	:	☐	Open	☒ Closed
13					
14	<u>OPERATING CONDITIONS - Condizioni operative</u>				
15	Process fluid - <i>Fluido di processo</i>	:	PROCESS AIR		
16	Fluid type - <i>Tipo fluido</i>	:	Gas		
17	Operating pressure - <i>Pressione operativa</i>	:	Nor = 0,6 barg Max = 1.0 barg		
18	Operating temperature - <i>Temperatura operativa</i>	:	5 - 160 °C		
19					
20	<u>VALVE MATERIALS - Materiali valvola</u>				
21	Body - <i>Corpo</i>		ASTM A 216 GR WCB		
22	Ball - <i>Sfera</i>	:	A182 GR F316		
23	Stem - <i>Stelo</i>	:	AISI 316		
24	Seat - <i>Sede</i>	:	RPFTE		
25	Stem seal - <i>Tenuta stelo</i>	:	VITON B + GRAPHITE		
26					
27	<u>GENERAL - Note generali</u>				
28	Seat leakage - <i>Classe di tenuta</i>	:	Class VI - ANSI B16.104		
29	Fire Safe / Antistatic Device -	:	ISO 10497 / ISO 15848 / BS6775 / BS5146		
30	Nominal diameter - <i>Diametro nominale</i>	:	1/2"		
31	Connections type and rating - <i>Tipo connessione</i>	:	ANSI 150 ANSI 150 # FLANGED TYPE		
32	Certification - <i>Certificazione</i>	:			
33					
34	<u>ACCESSORIES - Accessori</u>				
35	-Limit switches and indicator box - <i>Fine corsa e Box indicatore</i>				
36	N° 2 Limit switches to signal the positions open-closed of valve				
37	Limit switches tag	:	ZSH-11.3 - ZSL-11.3		
38	Box tag	:	BZS-11.3		
39	For technical characteristics see sheet 17				
40	-Pneumatic operator - <i>Attuatore pneumatico</i>				
41	Pneumatic operator pressure control	:	min. 4 - max 8 Barg		
42	Pneumatic operator min. pressure control	:	4 Barg		
43	Manufacturer	:	VIRGO / MODEL : 2V-65SR		
44	-Solenoid valve - <i>Elettrovalvola</i>				
45	Solenoid valve tag	:	KY 11.3		
46	For technical characteristics see sheet 16				
47	-Reducing filter with gauge	:	☒	Yes / Si	☐ No
48	-Hanwheel - <i>Volantino</i>	:	☐	Yes / Si	☒ No
49					

Notes	PURCHASING DATA
1)_ Pneumatic connections: SS tubing and SS Comperssion Fittings	Manufacturer : VIRGO
2)_ Emergency operator for solenoid valve required	Model : S2-RF1-F-C6-T-F-A + 2V-65SR
3)_ Field must be completed by the supplier	Supplier : VIRGO
	Order n° :